

FIGURE 1

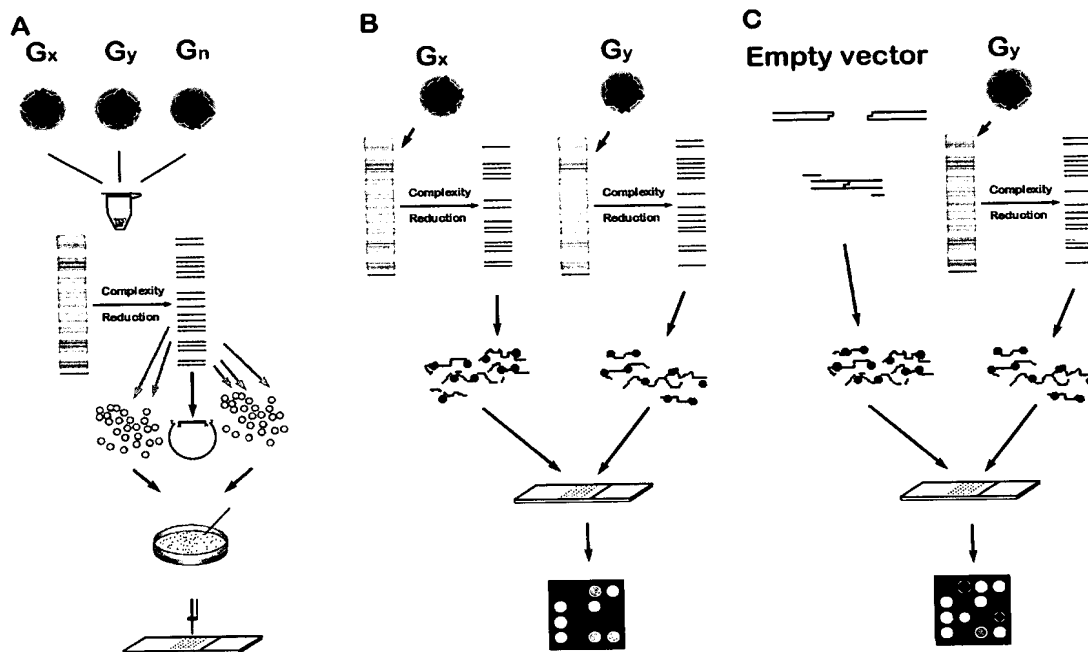


FIGURE 2

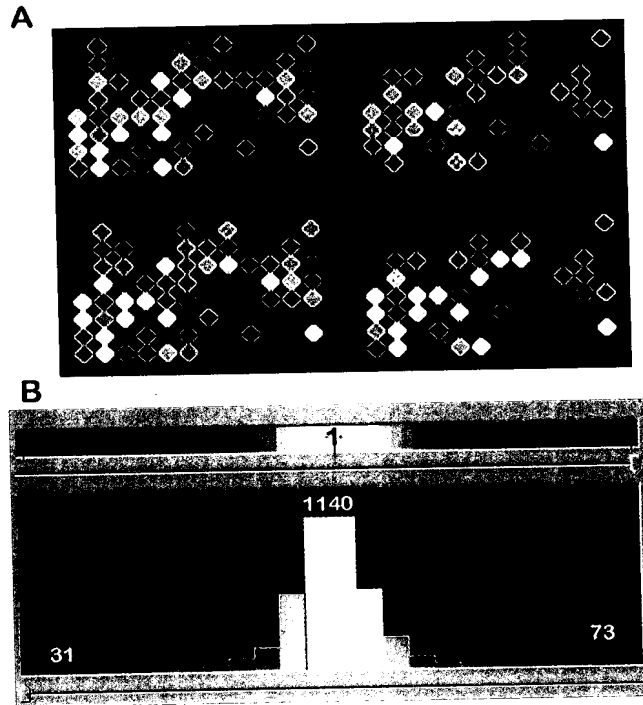
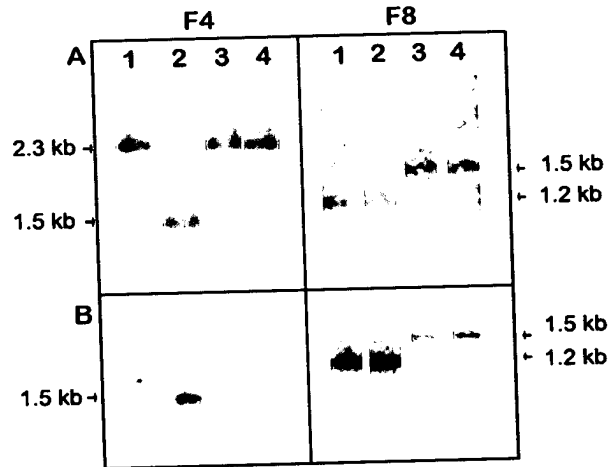


FIGURE 3



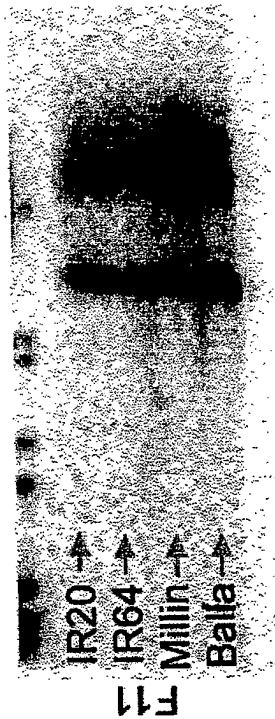


Figure 4

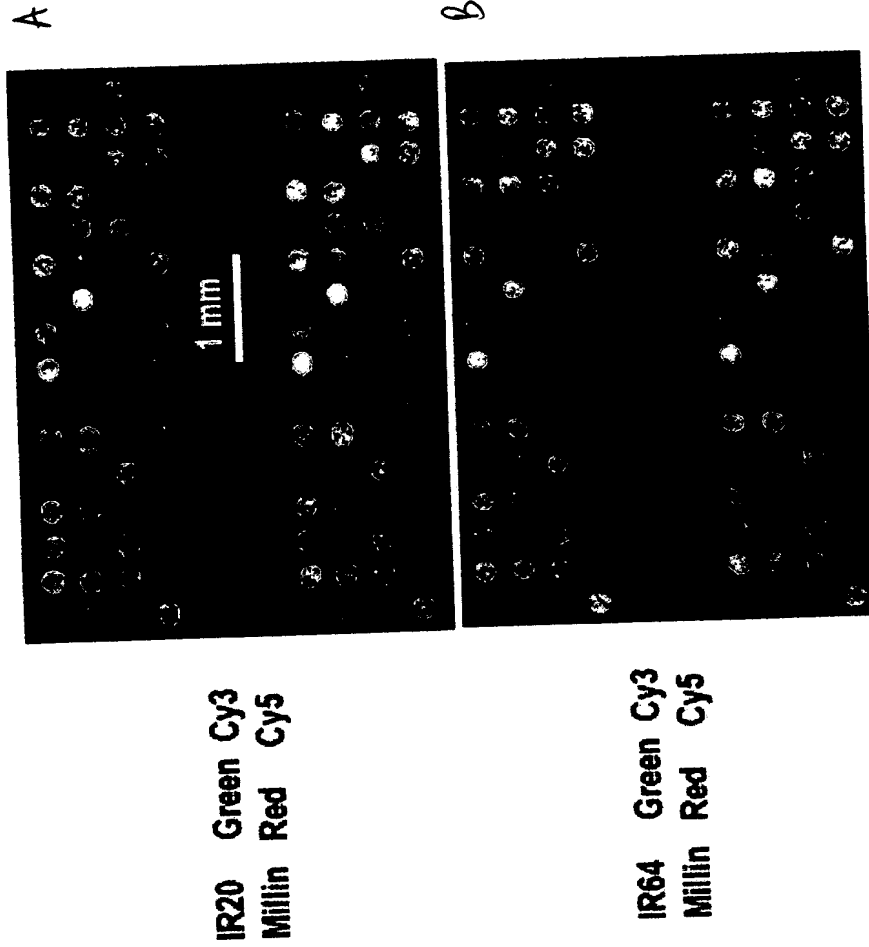


FIGURE 5

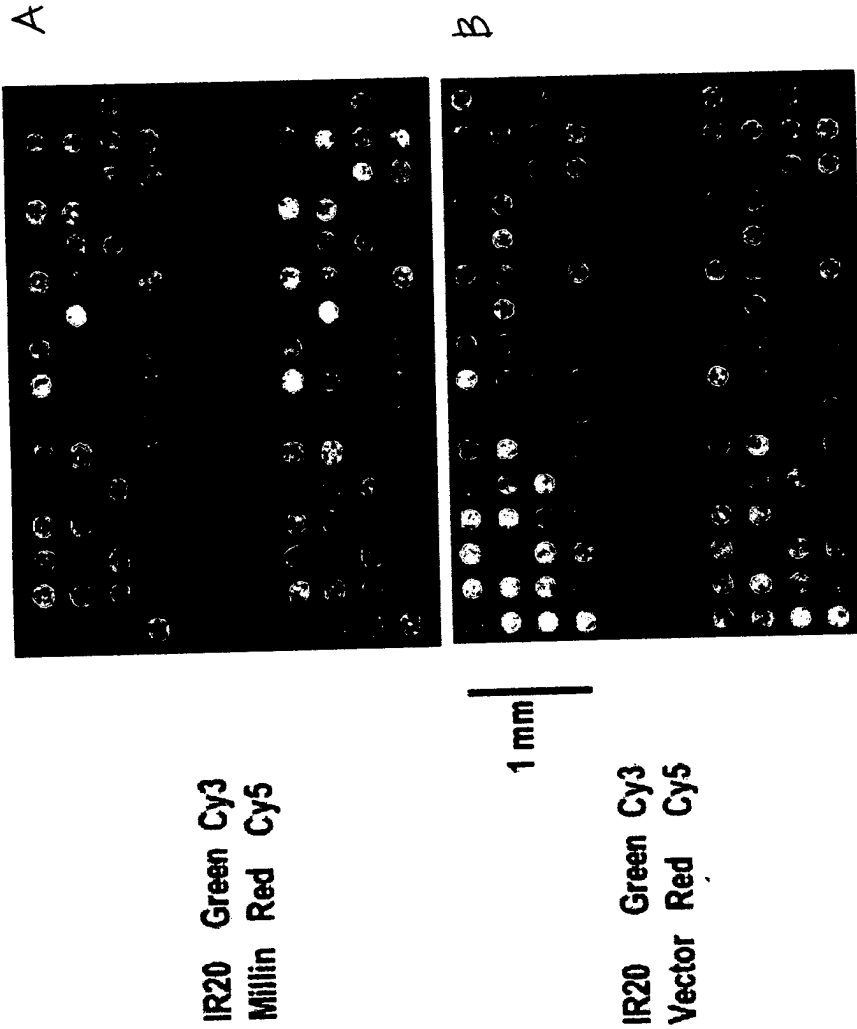


FIGURE 6

FIGURE 7

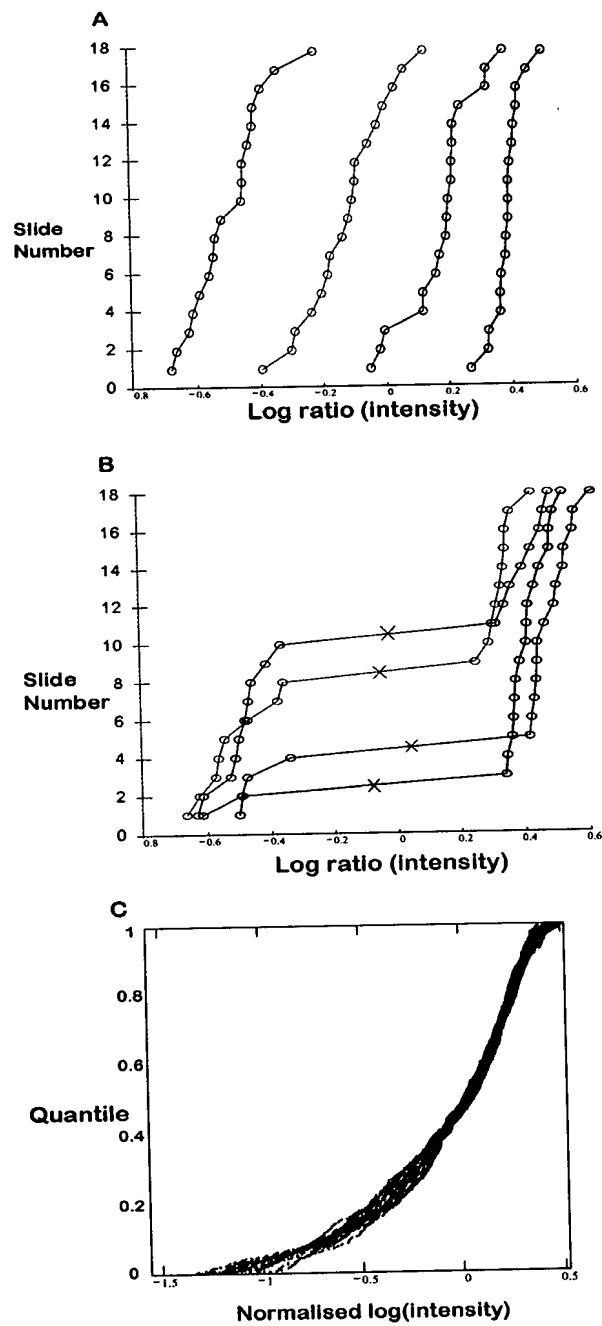


FIGURE 8

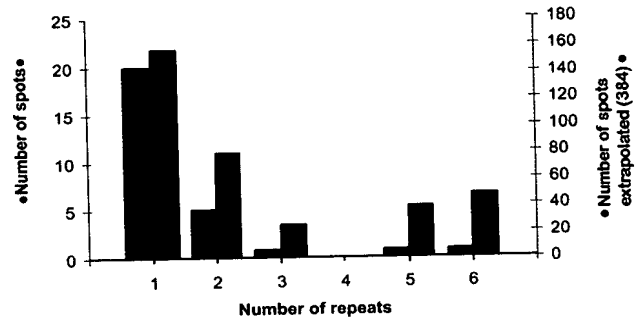


FIGURE 9

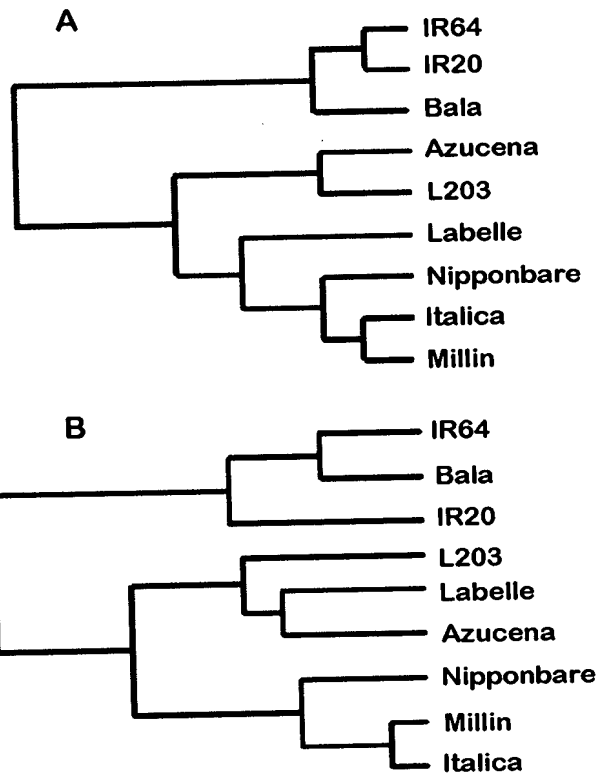
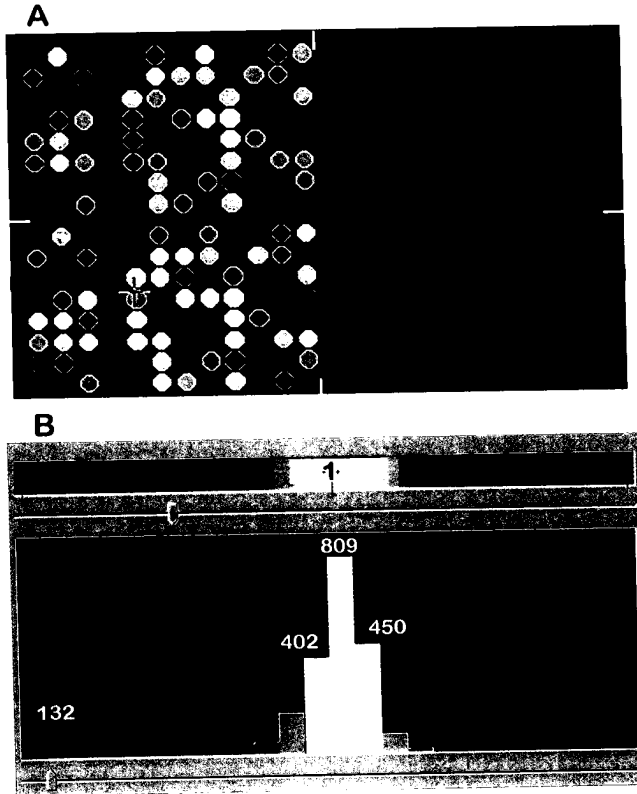
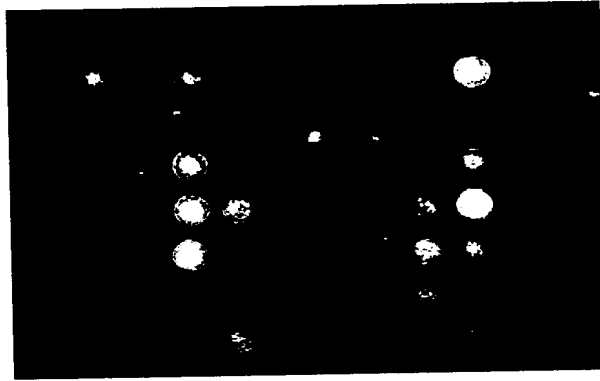


FIGURE 10



Barley DArT polymorphism analysis between Steptoe and Morex cultivars



Morex Diversity Panel was labelled with Cy3 and Steptoe Diversity Panel with Cy5 dyes

Mouse DArTs using cDNA-based Diversity Array

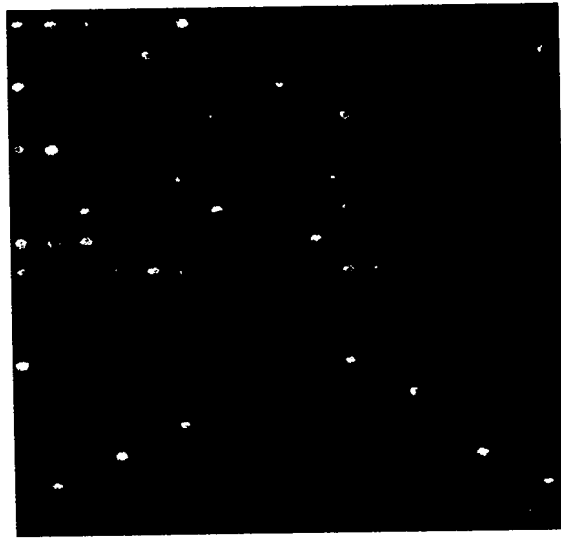
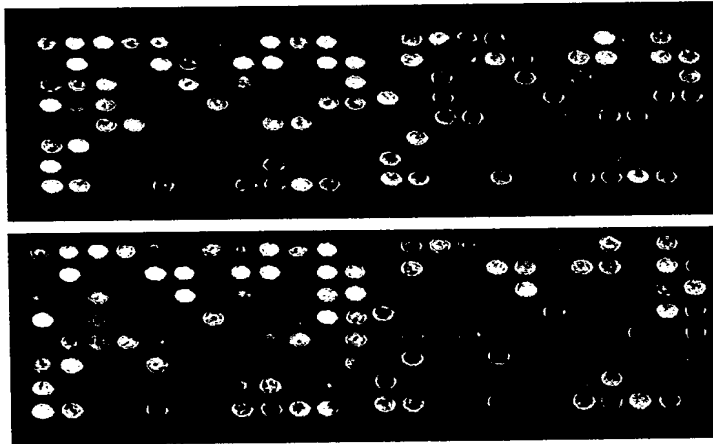


Figure 12

Methylation pattern differences among rice tissues typed using
DArTs



Red: callus
Green: seedling root
Yellow: callus + root

Red: callus
Green: immature embryo
Yellow: callus + embryo

Amplicon Southern analysis

1 2 3 4 5 6 7 8 9 10 11 12



Rice Tissue

Log Intensity(Diversity Panel/TOPO)

1. Seedling leaves	0.51
2. Seedling root	0.64
3. Mature pollen and anther	0.58
4. immature pollen and anther	0.34
5. Fertilized ovary and stigma	-0.01
6. Unfertilized ovary and stigma	0.39
7. Mature embryo	0.37
8. Immature embryo	0.47
9. Immature endosperm	0.42
10. Flag leaves	0.51
11. Callus	0.60
12. DNA Mixture	0.63